Listing and Amendments to the Claims

This listing of claims will replace the claims that were published in the PCT Application:

1. (currently amended) A signal processing apparatus having at least one cross-fading device ~~(9,10,11)~~ for cross-fading signals, in which a plurality of inputs ~~(7)~~ for receiving input signals are provided and in which an output signal can be tapped off at an output ~~(12)~~, and having a control apparatus ~~(13)~~ for controlling the cross-fading device ~~(9,10,11), characterized in that~~ , wherein the control apparatus ~~(13)~~ has an input means ~~(3)~~ for inputting a specific cross-fading function for each input signal to be cross-faded.

2. (currently amended) The signal processing apparatus as claimed in claim 1, ~~characterized in that~~ wherein the cross-fading function assigned by inputting to each input signal to be cross-faded can be written to a store ~~(14)~~ and can be read from the store ~~(14)~~ for a cross-fading operation.

3. (currently amended) The signal processing apparatus as claimed in claim 1, ~~characterized in that~~ wherein the start time and the end time of the cross-fading function assigned to an input signal can be defined within a cross-fading interval.

4. (currently amended) The signal processing apparatus as claimed in ~~claims 1 to 3, characterized in that~~ claim 1, wherein the direction of the fading profile can be chosen within the cross-fading interval.

5. (currently amended) The signal processing apparatus as claimed in ~~claims 1 to 4, characterized in that~~ claim 1, wherein a means for inputting a linear and/or nonlinear profile of the cross-fading function for each input signal is provided.

6. (currently amended) The signal processing apparatus as claimed in ~~claim 5, characterized in that~~ claim 5, wherein the input signals can be additively cross-faded in a manner dependent on defined assigned cross-fading functions.

7. (currently amended) The signal processing apparatus as claims in claim 1, ~~characterized in that~~ wherein the input means for inputting specific cross-fading functions has a graphical user interface ~~(22 to 33)~~.

8. (currently amended) The signal processing apparatus as claimed in claim 6, ~~characterized by~~ comprising a graphical user interface ~~(22 to 33)~~ having

a representation ~~(fig. 2)~~ of the time base of the input signals to be cross-faded within the cross-fading interval and/or

a representation ~~(fig. 3)~~ of the profiles of the cross-fading functions of the input signals to be cross-faded within the cross-fading of the input signals to be cross-faded within the cross-fading interval.

9. (currently amended) A method for processing signals, in which a plurality of input signals are cross-faded in a control-dependent manner in order to generate an output signal, ~~characterized in that~~ wherein each input signal to be cross-faded is assigned a specific cross-fading function.